

# SEQUENCE LISTING

<110> OLSON, ERIC  
SPENCER, JEFFREY A.

<120> METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES  
AND INTERMEDIATE FILAMENTS IN STRIATED MUSCLE CELLS

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<141> 2004-02-10

<150> 09/908,988

<151> 2001-07-18

<150> 60/219,020

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<170> PatentIn Ver. 2.1

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Arg Gly Ser Thr Thr Val Ser Ser Gly Gly Arg Phe Arg Cys Pro Ser  
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Cys Arg His Glu Val Val Leu Asp Arg His Gly Val Tyr Gly Leu Gln  
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Arg Asn Leu Leu Val Glu Asn Ile Ile Asp Ile Tyr Lys Gln Glu Ser  
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Ser Arg Pro Leu His Ala Lys Ala Glu Gln His Leu Met Cys Glu Glu  
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His Glu Asp Glu Lys Ile Asn Ile Tyr Cys Leu Ser Cys Glu Val Pro

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Thr Gln Met Glu Glu Val Cys Gln Thr Ile Glu Asp Asn Ser Arg Arg		
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Gln Lys Gln Leu Leu Asn Gln Arg Phe Glu Thr Leu Cys Ala Val Leu		
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Gly Tyr Glu Ser Met Glu Gln Phe Ser Val Ser Val Glu His Val Ala		
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Lys	Glu	Gln	Gln	Thr	Met	Asp	Asn	Leu	Glu	Lys	Gln	Leu	Ile	Cys	Pro	
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Ile	Cys	Leu	Glu	Met	Phe	Thr	Lys	Pro	Val	Val	Ile	Leu	Pro	Cys	Gln	
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His	Asn	Leu	Cys	Arg	Lys	Cys	Ala	Ser	Asp	Ile	Phe	Gln	Ala	Ser	Asn	
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Pro	Tyr	Leu	Pro	Thr	Arg	Gly	Gly	Thr	Thr	Val	Ala	Ser	Gly	Gly	Arg	
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Phe	Arg	Cys	Pro	Ser	Cys	Arg	His	Glu	Val	Val	Leu	Asp	Arg	His	Gly	
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Gly	Val	Ile	Ser	Gln	Leu	Glu	Asp	Thr	Cys	Lys	Thr	Ile	Glu	Glu	Cys	
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Pro Glu Pro Leu Pro Ala Ser Ser Pro Glu Pro Phe Ser Ser Met Pro	385	390	395 400
Pro Ala Ala Asp Val Leu Val Thr Gln Gly Glu Val Val Pro Ile Gly	405	410	415
Ser Gln Gln Thr Thr Gln Ser Glu Thr Ser Gly Pro Ser Ala Ala Glu	420	425	430
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Lys Thr Ser Ser Asn Pro Pro Cys Thr His Gly Ser Glu Gly Leu Gly	450	455	460
Gln Ile Gly Pro Leu Gly Ile Glu Asp Ser Ser Val Gln Ser Ala Glu	465	470	475 480
Val Ala Glu Ala Ala Thr Asn Glu Gln Ala Ala Val Ser Gly Lys Glu	485	490	495
Ser Ser Ser Thr Ala Ala Thr Ser Gln Ile Gly Phe Glu Ala Pro Ser	500	505	510
Pro Gln Gly Gln Ser Ala Ala Leu Gly Ser Gly Gly Gly Val Ile Leu	515	520	525
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 aag atc aac atc tac tgt ctc acg tgt gag gtg cct act tgc tcc ttg 730  
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Ser Val Ser Met Ser Gly Gly Arg Phe Arg Cys Pro Ser Cys Arg His  
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Glu Val Ile Met Asp Arg His Gly Val Tyr Gly Leu Gln Arg Asn Leu  
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Leu Val Glu Asn Ile Ile Asp Ile Tyr Lys Gln Glu Cys Ser Ser Arg  
100 105 110

Pro Leu Gln Lys Gly Ser His Pro Met Cys Lys Glu His Glu Asp Glu  
115 120 125

Lys Ile Asn Ile Tyr Cys Leu Thr Cys Glu Val Pro Thr Cys Ser Leu  
130 135 140

Cys Lys Val Phe Gly Ala His Gln Ala Cys Glu Val Ala Pro Leu Gln  
145 150 155 160

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Asp Ser Cys Arg Val Thr Lys Glu Asn Ser His Gln Val Lys Glu Glu  
195 200 205

Leu Ser Gln Lys Phe Asp Thr Leu Tyr Ala Ile Leu Asp Glu Lys Lys  
210 215 220

Ser Glu Leu Leu Gln Arg Ile Thr Gln Glu Gln Glu Glu Lys Leu Gly  
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Phe Ile Glu Ala Leu Ile Leu Gln Tyr Arg Glu Gln Leu Glu Lys Ser  
245 250 255

Thr Lys Leu Val Glu Thr Ala Ile Gln Ser Leu Asp Glu Pro Gly Gly  
260 265 270

Ala Thr Phe Leu Ser Ser Ala Lys Gln Leu Ile Lys Ser Ile Val Glu  
275 280 285

Ala Ser Lys Gly Cys Gln Leu Gly Lys Thr Glu Gln Gly Phe Glu Asn  
290 295 300

Met Asp Tyr Phe Thr Leu Asp Leu Glu His Ile Ala Glu Ala Leu Arg  
305 310 315 320

Ala Ile Asp Phe Gly Thr Gly Lys Gly Cys Asp Val Thr Cys Leu Thr  
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Phe Glu Arg Gln Arg Ser Ser  
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